THE TECH

VOL. XXVIII. No. 41 BOSTON, MASS., FRIDAY, JANUARY 8, 1909 PRICE THREE CENTS

HARVARD TEAM A WINNER ON FLUKE

Crimson Seven Defeats Tech Team in Close Game At Brae-Burn

THE SCORE WAS 1 TO 0

Harvard Excells in Team Work While Tech Team Has Individual Stars

In the last minute of a close and exciting game the Harvard varsity hockey team defeated the fast Tech seven. The game was won on a fluke, the score being 1 to 0. Paine, the Harvard forward, had made a sensational try for a goal, which was cleverly blocked by Billings, but the puck carroming from Billings' stick struck O'Hearn s skate and slid into the Tech goal for the only score of the game.

As in the Dartmouth game earlier in the week, Tech showed lack of team work, their splendid efforts against the strong Harvard team being due to remarkable individual effort.

During the first five minutes of the game the puck was in Tech's territory and only by the splendid work of Billings and Bakewell, last year's Yale varsity goal, were the swift Harvard forwards prevented from caging the disk. During the rest of the half the puck seesawed between the two goals without either team gaining any distinct advantage.

In the second half Harvard began with a rush, but again they were frustrated in their attempts by the splendid defense of Billings and Bakewell. Then the Tech forwards started a series of individual rushes, but the necessary team work did not assert itself.

In the last minute of play, after the Harvard forwards, by consistent plugging, had again worked the puck into Tech territory, Paine shot the disk from the side of the rink, which shot, after an unfortunate mix-up, resulted in the only goal of the game being scored for the Crimson on a fluke. With but 45 seconds to play, the Tech forwards worked like Trojans, but the necessary goal was not forthcoming, the half ending without further scoring.

Hicks and Paine played a strong offensive game for the wearers of the Crimson, while Capt. Willetts was strong on the defense. O'Hearn and Capt. Kelley excelled for Tech, while Billings and Bakewell played excellently on the defense.

The line-up:—

HARVARD.	TECHNOLOGY.
Gardner, f.	f., O'Hearn
Hicks, f.	f., Sloane
Paine, f.	f., Paine
Morgan, (Briggs) f.	f., Kelley (Capt.)
Ford, c.p.	c.p., Gould
Willetts, (Capt.) p.	p., Billings
Washburn, g.	g. Bakewell

Officials—Referee, A. Winsor, Jr., Harvard 1902; umpires, Cate and Haydock; timer, Davis; time, 15 minute halves.

Manager W. J. O'Hearn 1910, of the hockey team, announces the following schedule of games:—

Jan. 9—Crescent A. C. at the Stadium.

Jan. 16—Andover at Andover.

On the trip between terms the team will remain in Massachusetts, instead of going to New York, as last year. The games planned follow:—

Feb. 4—Williams.

Feb. 5—Amherst Aggies (pending).

Feb. 6—Amherst.

Feb 3 or 8—Dartmouth.

Returning home a game will be played with Brae Burn on Feb. 9 or 13.

YALE GRAD TO SPEAK

The Rev. Charles E. Park of the First Church of Boston, will speak at the Y. M. C. A. meeting at the Union this Sunday. Dr. Park is a Yale Graduate, having received his degree in 1906.

NOYES SPEAKS ON COURSES OF STUDY

Gives Freshmen Advice on The Choice of Courses To Be Followed

COPIES TO BE SENT

Conferences with Professors in Charge of Courses Have Been Arranged

On Wednesdy afternoon at two o'clock, Acting-President Arthur A. Noyes spoke to the freshmen on the choice of a course of study. He strongly urged them to decide upon the course for which they showed the greatest aptitude and interest. Previous decision or the thought of pecuniary gain should not be allowed to influence the student's choice.

Students choosing the engineering course in civil or sanitary, in mechanical or naval architecture, in electrical engineering or electro-chemistry, Pres. Noyes suggested, should be good in mathematics. Those choosing chemical or mining engineering or electro-chemistry should be good in chemistry; and those choosing the course in chemistry or biology should have the qualities of the originator, the desire to investigate and to improve present processes.

The course in architecture requires not only a sense of utility, but also a sense of beauty. The purely scientific course in physics, chemistry, biology and geology train the student to become a teacher, an expert, or a researcher—lines giving possibly less monetary gain, but more leisure for cultural pursuits. The course in biology should be chosen by those who are most strongly attracted by the medical profession.

Of the five year courses, there are three types. The student may pursue two allied courses in civil and sanitary engineering, in electrical and mechanical engineering, in minind and chemical engineering; he may take more liberal and cultural studies in his course; or he may take the work of the three higher years in four years.

A printed copy of the President's speech will be sent to every first year student very shortly. Elsewhere in this issue will be found a schedule of conferences in reference to choice of courses and all freshmen are strongly urged to take advantage of the opportunity thus offered to meet the men in charge of their prospective courses.

TECH DOWNS TUFTS

First Team Wins 28-15 by Good Work—Second Loses 16-10

In a clean, fast game, Technology gained a decided victory over Tufts last night at Medford, with a score of 28 to 15. From the first sound of the whistle Tech lead in the scoring and maintained a good lead throughout the game. Wentworth, Bemis, and Parker did the best work for Tech, while Dickenson and Kimball were the Tufts stars.

In the first half Tech played a careful game, scoring frequently. Wentworth was the star, shooting a basket on every foul called. Parker, Hargraves and Bemis each added a basket from the field, so that score stood at the end of the half, 14 to 4, in favor of Tech.

The second half started off with a rush, Kimball and Wallace of Tufts each scoring a basket in the first minute of play. The game became very fast and fouls were frequent. Parker made two beautiful baskets after advancing the ball the entire length of the gym. Wentworth took care of the fouls; but this score was offset by some good foul shooting by Kimball. Bemis added two more baskets and Wentworth added another, making a total of 28 points to Tufts' 15.

While the first team played to victory, the second team suffered a defeat at the

(Continued on page 4.)

BIG INDOOR MEET THIS EVENING

Many Good Men are Entered And Contest Promises To be Very Close

SOPHOMORES STRONG

Freshmen have Majority of Entries And Juniors Are Showing Up in Good Form

In all the events at the indoor meet which is to be held this evening close and hair-raising finishes are expected. Many of the men are stars who were on last year's track team ,several are freshmen of excellent ability who made good at prep school while others come from other colleges where they have won their letters. The freshmen have nearly half the entries but the sophomores are expected to win the meet although the classes of 1910 and 1912 wi l make them hustle.

Owing to the large number of good men entered in every event it is practically an impossibility to pick a winner or even those who will place in their respective events. In the 30-yd. dash there are over twenty entries among whom are all the star sprinters of the Institute and the race is sure to be close and interesting. Such men as Capt. Carl Gram 1909, K. D. Fernstrom 1910 and J. S. Grant, S. B. Walker and S. E. Reed all of the freshman relay team are entered. The race this year seems to be between Gram, Fernstrom and Grant.

Besides the dash men G. B. Cummings 1910, A. L. Moses 1910 and W. C. Salisbury, the sophomore relay captain, are entered in the 440-yd dash. This race looks easy for Gram, and Fernstrom who placed second last year will probably do the same this year. These two men however have two good opponents in Cummings and Moses both of whom are fast.

The largest number of star men are entered in the 880-yd. run and the winner is likely to break the record. At present this event looks to be a great race between C. P. Eldred and P. D. White both of whom are sophomores. Eldred was a member of the cross-country team and is improving all the time. White won the event last year setting a new record for the track. Salisbury is also to be reckoned on in this race. He placed second last year but will have to run faster this year, but he is good for third. The two freshmen, Oettinger and Tuller, are also good men who are liable to upset things although they have not had the experience of the other men.

Two star men of the Institute will come together in the mile and strive for the first honors. They are H. H. Howland 1909 and L. O. Mills 1910. Howland is a past captain of the cross-country team while Mills is the present cap-

(Continued on page 3.)

B. U. WINS BASKETBALL

At the B. U. gym yesterday afternoon the Tech freshmen were defeated by the 1912 B. U. team by a score of 32 to 27. Considering the amount of practice which the Tech team has had, they played a very consistent game throughout. Chandler and Cherry, of the Tech team, excelled for their side, while Dow and McGlue played an excellent game for B. U.

The line-up is:—

Tech Fresh.	B. U. Fresh.
Bennet, Riddel, r.g.	r.g., Deming
Freeman, Farwell, l.g.	l.g., Dow
Canaday, Ruby, c.	c., McGlue
Albee, Stone, r.f.	r.f., Defran
Cherry, Chandler, l.f.	l.f., Green

Goals—Cherry 3, Albee, Riddel 2, Farwell, Stone 4, Ruby 2, Dow 7, McGlue 5, Green. Goals from fouls—Cherry, Green 5. Referee—Morgan. Umpire—Murray. Timer—Sanders. Time—15-20 minute halves. Attendance 200

FRESHMAN CLASS HAS BIG DINNER

One Hundred Hear Speeches By Bursar, Dean and Prof. Blackstein

CHEATING SCORED

Dean Burton Speaks of Standard of Character Required at The Institute

An even hundred men were gathered at the freshman dinner last Wednesday evening in the large dining room of the Union. After an excellent dinner President Kemp assumed the role of toast-master and in a few well-chosen words introduced the Bursar as the first speaker of the evening.

Bursar Rand stated that he deplored the idea that a large crowd of people could not come together and enjoy a dinner and and an hour of chatting without having to have a certain number of so called speakers. In his address he spoke of the main points that a man of worth and success should have. He said in part: "Every man who makes a success of life must have character, tact, and the ability to make friends. Under character I include honesty, squareness and uprightness. No man is ever a success who is not honest in his dealings, who is not square to all with whom he comes in contact, who is not upright in everything. You, as Tech men, are supposed to have these qualities and every one of you should buy the recent issue of the Review and find out what Tech men with these qualities are doing in the world. I came from State Street to this Institution six years ago and would like nothing better than to stay here, mingling with the young men who come here to study and to develop these qualities. I like to watch them, to give them my love and to hold their friendship."

After such a speech it was almost an impossibility for Pres. Kemp to introduce the next speaker, but after several minutes of the heartiest applause, he introduced Dean Burton.

The Dean rambled around in his interesting way for several minutes on many subjects of interest to the class and finally touched on the matter of cheating in the Institute. The Dean said that here at the Institute the faculty strive to develop character, to develop the love and respect for the truth which is acquired by exact scientific work. Here at the Institute there is a large amount of laboratory work and this work is a great test of a man's character. It is ruin to the scientific training of a man when instead of doing his own work he copies his neighbor's book and hands it in as his own. Every year a few men are asked to leave the Institute for doing this not so much as a punishment but because they have failed to come up to the standard of character set by this institution. Two men have already been sent away this term.

The Dean said that when one comes to the Institute he is given examinations in different subjects and although he is not given an examination in character, as soon as it is found out that

(Continued on page 3.)

CALENDAR

FRIDAY, JAN. 8.

4:30 P. M.—Jiu-Jitsu exhibition in Union.

8:00 P. M.—Indoor meet at Gym.

SATURDAY, JAN. 9.

2:00 P. M.—1912 Tug-of-war picture at Marceau's.

3:00 P. M.—Tech vs. Crescent A. C. Hockey.

8:00 P. M.—Tech vs. Williams basketball at Williams.

SUNDAY, JAN. 10.

6:45 P. M.—Y. M. C. A. at the Union.

THE TECH

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Friday, January 8, 1909.

Jiu-jitsu at 4.30.

Midyears are approaching. A word to the wise—.

Cheer up. Only three weeks to another vacation.

Incidentally Tech seems to have been putting it onto Dartmouth lately.

Ventilation in the Union is bad. Dead smoke hangs in the air for hours.

Have you earned your numerals yet? A chance for all at the Gym tonight.

Sanitation in Roger's building remains in a prehistoric condition despite the annual protests.

But there are some who are still holding 17 or 18 points and no one seems to know the difference.

Friday evenings have been a great success. The entertainment committee is to be congratulated upon the fruits of their labors.

Does it take a month to put up a set of long anticipated bulletin boards? It is said that they have been completed.

Attendance at meetings of the Institute Committee is very ragged, and the meetings never begin on scheduled time.

Bursar Rand states that all Tech men should read the recent issue of the Review. We most heartily agree with him. It contains matter of vital interest to all Tech men and is an ideal magazine.

Honesty is the best policy always. Cheating won't go in the world at large, and most certainly should not be tolerated in the Institute. The faculty are right in the treatment of offenders in this regard.

It is too bad that the Indoor Meet happens on a Friday night. The usual evening in the Union had been provided for, and the engagement with the speaker had to be cancelled. Such conflicts should be avoided. The entertainment committee deserves a clear track.

Queer, isnt it?

When the managers of the hockey and fencing teams go through the drawing rooms and ask for a dime or so to aid the financial standing of their teams no one has any cash. But when a couple of darkies strum a guitar and sing more or less melodious ditties outside the Union nickles and dimes are showered upon them in great profusion.

"Well done, thou good and faithful servant," we say to the man who has hid his one talent in the earth. "Here, inasmuch as thou has taken such good care in disposing of thy one talent, thou shalt be made ruler over many things. But as for thee," we remark to the man who has gained more points than the law allows, "why thou wicked servant, because thou hast worked and shown a zealous interest in affairs thou shalt have thy talents taken from thee and given unto him who hath buried his one talent."

Verily, verily times have changed.

JIU-JITSU AT UNION

Rabbi Fleischer, the eminent Jewish pastor of Boston, who was to have spoken at Union night tonight, has been obliged to cancel his engagement.

The committee have, however, been most fortunate in securing Prof. J. J. O'Brien, the most widely known of the exponents of jiu-jitsu in this country. Prof. O'Brien is to give an exhibition of this manly art in the Union this afternoon at 4.30. This should be one of the best drawing cards of the season and especially so since the hour is 4.30.

Prof. O'Brien is the man who first interested President Roosevelt in jiu-jitsu and afterwards became his teacher. It is well known that the President is much in favor of this form of exercise and it will be well worth the while of every student of the Institute to attend this lecture and demonstration.

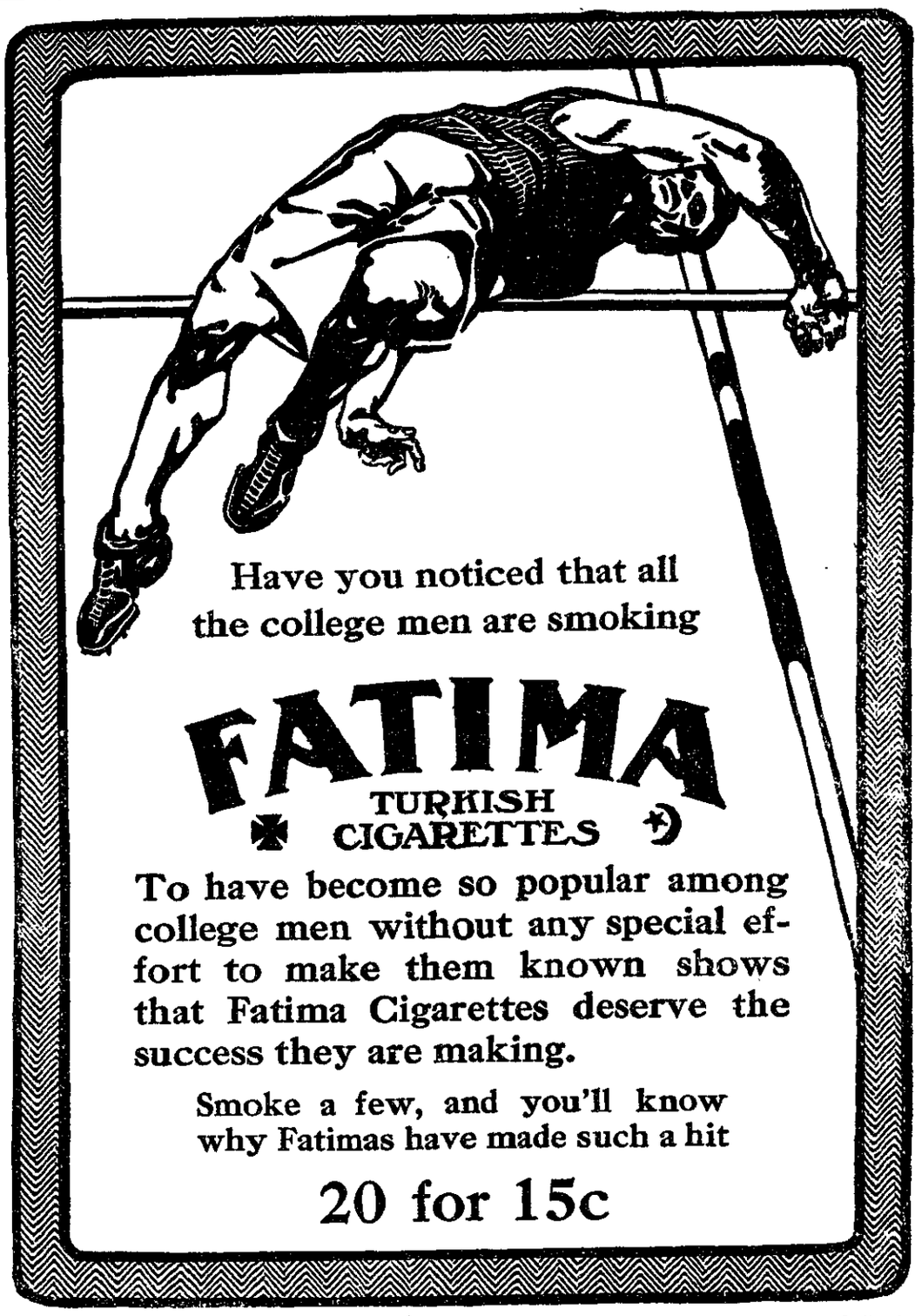
Prof. O'Brien, who is the original exponent of jiu-jitsu in this country, received his training in Japan, where for ten years he was inspector of the Japanese police. He will be accompanied by a trained assistant upon whom he practises the varied phases of this oriental art of self-defense.

E. E. SOCIETY MEETING

An interesting program has been arranged for the next meeting of the Electrical Engineering Society, Jan. 12 at 7:45 P. M., in the Union. Several members of the society will speak.

H. B. Winterstein 1909, will speak on "Experiences in a Small Lighting Plant." F. B. Lyons 1909, will speak on the "Applications of Electricity in a Steel Mill." R. E. Doan 1909, has for a subject, "Experiences with the Metropolitan Elevated Railway of Chicago."

A second home talent meeting will be held, probably in March, at which the program will be furnished by members of the junior class.



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FRESHMAN DINNER

(Continued from page 1.)

he does not come up to the standard set here, the faculty is forced to ask him to leave. The Dean said that the faculty do not believe in publishing the men's names and no one knows why they were asked to leave except the men themselves and the faculty. He said that the men are treated in all fairness, that they are confronted with the evidence against them, that they are placed before a committee of the faculty under whom they are not receiving instruction and who then report to the faculty what they think should be done. He said that the faculty do not believe that it is right that the men should have shame brought upon them, but that they do think that large bodies of men gathered together as at a class dinner should be told about it.

He said that the best thing a man can do is to do his own work, and it is the ruin of his scientific training when he copies his neighbor's. The faculty does not have graded punishment for such cases, they do not believe in this expulsion as a punishment but they do believe that when a man has failed to pass his examination in character he must be asked to leave the Institute. Men are sometimes readmitted in later years after they have spent several years in the world and when they show that they have at last been able to pass their examination in character. He said: "We ask you not to try to square up your work when you have been absent by cribbing or by offering as an excuse that you have been sick when you have not been, and I would much rather you would say when you come to me that you were late or cut and tell the truth. The excuse may not be a good one but it is always best to be honest and I like it better."

Professor Blackstein closed the speech making of the evening with a short talk which he enlivened with a few of his characteristic witty stories. The evening came to close with a rousing cheer for President Noyes who was unable to attend the dinner although asked.

BIG INDOOR MEET

(Continued from page 1.)

tain. Both men placed well in the Princeton race and a fine exhibition of running may be looked for with a closely contested finish. Other good men in this event are H. S. Benson 1912 and J. N. Stephenson 1909.

The hurdles will be a good race between Pead, Cummings, and Mason, all juniors. Cummings won this race last year. Mason is the old Harvard star, while Pead who won fourth last year has improved wonderfully and looks like the winner this year.

The high jump will be a close contest between the two varsity stars R. H. Allen 1909, E. Stuart 1910, and P. W. Dalrymple, the allround freshman. Both Allen and Stuart have won their "T" in intercollegiate competition. Dalrymple won this event at the fall meet and at the freshmen meets.

The shot put looks like a sure thing for Gott 1910, captain of the gym team. He has been putting the shot over 36 feet, more than three feet further than his opponents. D. V. Williamson 1910 and J. Becker 1912 have also done good work.

In the pole vault the only men of any class are W. D. Allen and Salisbury. Both are sophomores and are sure of the two first places.

STUDENTS TEST PLANT

A hundred-hour test on the large engine and dynamo at the North end of Lowell laboratory is being conducted by seniors of Courses II, VI, and XIIIa. This test started Monday morning at eight o'clock and continues until midnight tonight.

During this time everything having to do with the running of the plant will be measured; the coal and water consumed, the thermal activity, the heat lost up the stack, and the electrical output are all noted. An analysis of ash and furnace gases will be made by students of Course V. Measurements are taken every fifteen minutes day and night by eight hour shifts.

A new feature introduced this year for the first time is the determination by students from their own data of the cost of the power.

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TECH DOWNS TUFTS

(Continued from page 1.)

hands of the Tufts second team by a score of 10 to 16.

Schatz and Stone played the best game for Tech and Ritschey excelled for Tufts.

The game was lively and scrappy, the first half ending with a tie score, 6 to 6. Green threw two fouls and Stone and Schatz each scored a basket.

The second half was much rougher. Morse of Tufts being put out of the game for slugging. Tech could not score from the field, while Tufts scored twice in the first three minutes. The game ended with the final score of 10 to 16.

The line-up:—

FIRST TEAM.

TECH.	TUFTS.
Hargraves, r.f.	l.g., Hatch
Lord, l.f.	r.g., Wallace
Parker, c.	c., Atwood (Secoy)
Bemis, r.g.	l.f., Kimball
Wentworth (Russell), l.g.	r.f., Dickinson

Goals—Wentworth 3, Bemis 3, Hargraves, Parker 3, Kimball 2, Wallace, Dickinson.

Goals from fouls—Wentworth 7, Parker, Dickenson 2, Kimball 5.

Time—20 minute halves.

Referee—Knox. Attendance, 300.

SECOND TEAM.

TUFTS.	TECH.
Towsley, (Garden), r.f.	l.g., Stone
Merril (Martin), l.f.	r.g., Green
Fisher, c.	c., Ruby
Ritschy, r.g.	l.f., Pettengill
Morse (Holton), l.g.	r.f., Shatz

Goals—Schatz, Stone, Fisher, Ritschy 3, Martin, Marsh.

Goals from fouls—Green 6, Ritschy 3, Morse.

NOTICES

HOCKEY—All men see notice at the Cage before one o'clock today.

1912 TUG OF WAR—Meet at Marceau's at 2 P. M., on Saturday, for picture.

C. E. SOCIETY—On Wednesday evening, Jan. 13, at 6:30, the C. E. Society will have a dinner at the Union. After the dinner Prof. Breed will address the society on the subject of "Expert Testimony."

E. E. SOCIETY—Meeting Tuesday, Jan. 12, at Union. Refreshments will be served.

E. E. Society excursion Monday, Thursday, Friday, Jan. 4, 7, and 8. Atlantic Avenue station of the Edison Electric Illuminating Co., 516 Atlantic Ave. Parties leave Lowell on those days at 2:20 P. M. Those who wish may meet at station (516 Atlantic Ave.) at 3 P. M. sharp. Each party limited to 30 men. Sign at once on sheet in Lowell to insure your attendance. M3

FACULTY NOTICES

1912—Freshmen Gym classes will not meet today.

1912—Men substituting track work for Gym report Wednesdays at Gym.

LOST ARTICLES—The president's assistant has a good many lost articles which he would be glad to have the owners call for in Room 10, Rogers.

Appointments for conferences with first year students regarding choice of courses:—

Course I. (Civil Engineering)—Prof. G. F. Swain, 11 Eng. B, Friday, Jan. 8, 1:00 to 1:30 P. M.

Course II. (Mechanical Engineering)—Prof. G. Lanza, 11 Eng. B., Monday, Jan. 11, 1:00 to 1:30 P. M.

Course III. (Mining Engineering)—Prof. R. H. Richards, 2 Rogers (basement), Saturday, Jan. 9, 12 M.

Course IV. (Architecture)—Prof. F. W. Chandler, 42 Pierce, Friday, Jan. 15, 1:00 to 1:30 P. M.

Course V. (Chemistry)—Prof. H. P. Talbot, 6 Lowell, Thursday, Jan. 7, 1:00 to 1:30 P. M.

Course VI. (Electrical Engineering)—Prof. D. C. Jackson, 6 Lowell, Tuesday, Jan. 12, 1:00 to 1:30 P. M.

Course VII. (Biology)—Prof. W. T. Sedgwick, 27 Pierce, Thursday, Jan. 14, 1:00 to 1:30 P. M.

Course VIII., Options 1 & 2. (Physics)—Prof. C. R. Cross may be seen on any day during his office hours, or by special appointment. Room 11, Walker.

Course VIII., Option 3. (Electro-Chemistry Option)—Prof. H. M. Goodwin, 11 Walker, Wednesday, Jan. 12, 1:00 to 1:30 P. M.

Course X. (Chemical Engineering)—(Same as for Course V.)

Course XI. (Sanitary Engineering)—(Same as for Course I.)

Course XIII. (Naval Architecture)—Prof. C. H. Peabody, 31a Eng. C., Saturday, Jan. 16, 12 M.

CLASSIFIED ADS

Advertisements under this head are inserted at the rate of five cents a line of six words, payable in advance, and copy should be handed to the business manager the morning before publication day.

Tutoring in Mathematics and science—Leave note at Cage for E. Q. Adams.

ROOMS TO LET—Small steam-heated room with gas—upper floor; $1.50 per week. Apply at 163 Huntington Ave, Suite 2. M5

ROOM TO LET—Would like to recommend a very nice room in Brookline, 15 minutes by trolley. W. R. D., care of The Tech. M5

LOST—A pair of glasses in Physics lecture. Finder please leave at Cage for N. A. Lougee.

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